

REDUCING LOADS
OF INFANTRYMENProblem Discussed of Cutting
Down Weights in
Equipment.

That the problem of equipping the infantryman is not a question of what you can put on the man to carry, but what you can leave off him, is the text for an article on the subject by Lieutenant F. W. Brabson, Twenty-third Infantry, in the current Journal of the United States Infantry Association. This is a question which interests and excites every infantry organization in the world, and therefore is considered in every town large enough to have a company of militia.

The question involved is, according to the article, not whether you can start out with extras and luxuries, but whether you can arrive day after day with good long marches to your credit and with every man possessing the same equipment he started with. Certainly, thinks Lieutenant Brabson, he will not have all of the equipment as at present carried, at the end of a second day after marching in a hot country, in rain, over bad roads, or for a long distance.

Present Load Too Heavy.

Working with this problem in view, certain experiments have been made with the present load, including three days' haversack rations, and with other combinations of rations, ammunition, and contents of pack, with different ways of arranging the articles, each being tried out on a march of about two hours—generally over the same ground and involving an advance in some attack formation over 1,000 yards, more or less. After one or two days it was made evident that something must be eliminated to reduce the weight, else only short marches could be made, and these exhausting ones, and it is to be noted that this was true under favorable conditions, and not in the presence of the enemy, where the strain of remaining ever on the alert would enter.

"It is better," says the writer, "to wear out many sets of equipment than to wear out many men." He argues, therefore, that only the indispensable things should be retained, and the weight of these reduced to bare consistency with the quality required of each.

The indispensable articles of clothing to be worn on the march are taken to be:

One pair lightweight drawers, one pair light woolen socks, one olive drab woolen shirt, one pair khaki breeches, one pair canvas leggings, one pair garrison shoes, one campaign hat.

Cut Out Undershirt.

The old-style canvas leggings are the best, Lieutenant Brabson believes, because they are lighter than the present leggings, and also for several other reasons. The undershirt is omitted, for the reason that if the soldier is to get wet it is better that he have a woolen garment next to the skin.

Articles of shelter, toilet and convenience are as follows:

One shelter-half, one blanket, one pole (for two-thirds of the men), nine pins (for one-third of the men), one toothbrush, one small rough towel, one cake of soap, one comb, one pair of light woolen socks (extra), one olive drab woolen shirt (extra).

As a substitute shelter the following is recommended:

Three men to sleep in a tent if formed by two shelter-halves of olive drab, or similar in material, waterproofed and provided with ball and socket fastenings; the other shelter-half to be spread on the ground and the three blankets to be disposed thereon. Also to get an expensive blanket of the present size designed for warmth rather than durability.

The shelter-half should be somewhat larger and broader than the present style, thereby enlarging the tent space to six feet long and seven feet six inches wide. The three men would then sleep crosswise in the tent. It is argued that this apparent added weight, due to increased size, could be saved in whole or in part by reducing the size of the triangular flaps at the end so that they would form a rear wall, standing vertically, and by using lightweight material. It is admitted that the material would be more expensive and probably less durable than the present canvas, but it is asserted that the time has come to fight against durability in the campaign for efficient marching.

Saving in Weight.

Under this arrangement the saving would be as follows:

At present—Three shelter-halves, three poles, fifteen pins, three ponchos, three blankets.

As proposed—Three shelter-halves, two poles, nine pins, three (one-half or two-thirds weight equals one and a half or two full weight) blankets.

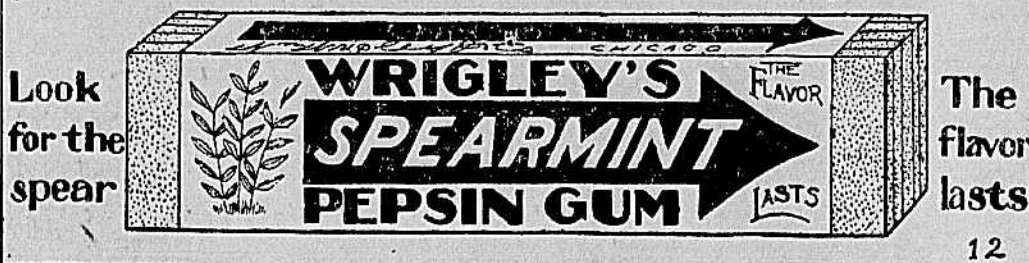
Articles of maintenance may be stated thus: One haversack (with three days' haversack rations), one canteen, one mess pan, one tin cup, one knife, one fork, one spoon.

By discarding the interior sack and

The
frauds cheat children!

The rank imitators of
WRIGLEY'S SPEARMINT
would take the last
cent of a child for their
poor stuff!

They can't cheat *your*
children—even if they
can't read! Tell them
to hold tight to their
pennies till they see a
spear like this:



SPEAKERS AT MASS MEETING



REV. JOSEPH T. WATTS.

using a short single thickness flap about half the present weight could be saved. The mess outfit should be made of aluminum. Finally, the articles of protection are as follows:

Rifle, with sling, bayonet and scabbard, web suspender belt, with ninety rounds of ammunition, trenching tool, first aid packet.

Arranging Rations.

Average conditions must govern the arrangement of packs. Taking the rations first, the perfect way, of course, is to carry all rations, cooking outfit and mess food for the men by organizations. The emergency way would be to put up the rations so that each package could be prepared in its own crimping tin receptacle. This would do away, it is argued, with most articles of the individual mess outfit.

To reduce the weight further these

rations might be rolled in the pack, thereby dispensing with the haversack. Concerning the amount of ammunition to be carried, experiments were made, and it was found that 330 rounds (ninety in the belt and two bandoliers over each shoulder) would tire out the man while marching but four or five miles, even with the rations reduced to one emergency ration and the blanket roll lightened by removing half a blanket and the poncho, which would probably represent the equipment of a soldier called upon to carry this amount of ammunition on a march into action.

Reduce Ammunition.

It is believed, therefore, that as a fresh soldier with fewer rounds accomplishes more than the same man when fagged out, through the very reason in part of having carried so much ammunition, not more than

ninety rounds normally should be carried in the belt, and that two bandoliers (30 rounds) per man should be carried in the battalion ammunition wagons. Troops on security duty ought to carry the full 330 rounds, for when once in contact with the enemy ammunition from the battalion wagons could be used to reach them.

Some theorists, it is stated, advocate getting the soldier to the firing line with the most ammunition possible even if the exertion has been exhausting to the man. "The constancy of the weight and the corresponding uncertainty of a fight," said Lieutenant Brabson, "should condemn this radical tendency. Some of the great manoeuvres in Manchuria show quick movements into position, but slow advances of the actual firing line, which would seem to favor the view that we will do best to carry light loads and trust to the trains for ammunition and supplies to come up during the long series of fights."

BIBLE STUDENTS
READY TO MARCH

Thousands to Attend Great Mass-
Meeting at City Auditorium
To-Morrow Afternoon.

More than 2,000 students of all the Bible classes in different parts of this city and Manchester will form a procession to-morrow afternoon and march through the streets to the City Auditorium, where the Federation of Bible classes of Richmond and vicinity will hold a mass-meeting at 3:30 o'clock. There will be speeches by Governor Claude A. Swanson, whose subject will be "Nation's Debt to the Bible"; Rev. Joseph T. Watts, Sunday school secretary of the Baptist General Association, "Class Relation to the Sunday School"; and Arthur Holmes, Ph.D., professor of psychology in the University of Pennsylvania, "The Bible's Contribution to Character."

Much enthusiasm has already been displayed in the meeting, and the parade promises to be the most impressive part of the exercises. The procession will form as follows:

All classes north of Broad and east of Fifteenth Street will form on the north side of Main Street west of Fifteenth Street.

Classes south of Broad Street and east of Fifteenth Street will form on the north side of Main Street and east of Fifteenth Street.

Classes from Manchester will form on Seventh Street south of Grace Street.

Classes between Seventh and Fifteenth Streets will form on the south side of Grace Street, between Seventh and Ninth Streets.

Classes between Seventh and Adams Streets and north of Grace Street, in-

cluding North Side, Barton Heights and Ginter Park, will form on Fifth Street north of Grace. Those between Seventh and Adams Streets south of Grace will form on Fourth Street north of Franklin.

Classes west of Adams Street will form on the south side of Grace Street west of Adams.

The procession will enter the Auditorium through the main entrance and classes are requested to form in columns and keep their class formation in order to avoid confusion and delay. The lower floor of the building will not be opened to the public until after the procession is seated. The gallery will be opened at 2:30 o'clock. All connected with all of the members of the Federation: President, C. R. Gay; Vice-President, O. S. Morton; Secretary, N. G. Smith; Treasurer, Eugene C. Miesler; Chairman, Finance Committee, James Lewis Anderson; Chairman Statistics Committee, T. A. Miller; Chairman Administration Committee, Frank T. Bates; Chairman Music Committee, Walter Mercer; Pianist, Leslie P. Watson.

JOSEPH E. SANDS DEAD.

Connected With Many Enterprises in Upper Monongahela Valley.

[Special to The Times-Dispatch.]

Pittsburgh, Pa., November 19.—Joseph E. Sands, aged seventy-four years, president of the First National Bank of Fairmont, and one of the most prominent business men of the State, died late to-night from the effects of an attack several days ago which left him partially paralyzed.

Mr. Sands was the founder of the bank of which he was president, and with the late United States Senator J. N. Camden was one of the organizing officials of the Monongahela River Railroad Company, which before it was sold to the Baltimore and Ohio was the short line between Fairmont and Clarksburg. He was conspicuously connected with all of the enterprises tending to develop Fairmont and the upper Monongahela Valley.

Mr. Sands was born in Maryland and is survived by a widow and a large family of prominent children. He had been in failing health for a number of years. Mr. Sands was the father of Oliver J. Sands, of Richmond.

Big Demand for Pennants.

[Special to The Times-Dispatch.]

SUFFOLK, Va., November 19.—The pennant market to-day took a jump, and farmers' grades sold for 4 cents, an advance of 25 cents a sack over yesterday. Buyers are securing the producing belts in Virginia and North Carolina, and farmers released many thousands of bags. The shortness of yield is responsible for the advance. The market for uncleaned goods to-day was stronger than at any period since three seasons ago.

Water Bonds Sold.

ORANGE, Va., November 19.—The \$20,000 worth of the town of Orange's water bonds sold at the National Bank of Orange for \$105,000.

OBITUARY.

Robert A. Dillhoff.

Robert A. Dillhoff died yesterday at his residence of his father, on the Charles City road, in the twenty-fourth year of his age.

The funeral will be held from the house to-morrow afternoon at 2 o'clock. The interment will be made in Maury Cemetery.

Mrs. Lucian C. Minor.

Mrs. Lucian C. Minor, the wife of Lucian C. Minor, died at her home, 112 South Laurel Street, yesterday at 4:45 P. M.

The funeral will take place from Pine Street Baptist Church to-morrow afternoon at 2 o'clock.

Robert Boyd Todd.

Robert Boyd Todd died yesterday at noon at his residence, on Chestnut Hill, in the fifty-four year of his

age.

The funeral and interment of Mrs. Ervin L. Atkinson took place at the family burying ground at Walnut Grove at 2 o'clock this afternoon.

Atkinson died at 8 o'clock Thursday morning at her home, "Okolala Bend." She was fifty-two years of age. She leaves besides her husband, a son, Benjamin and William Atkinson, who live with her, and Brady and Douglas Atkinson, of Richmond.

Mrs. Bettie Toler and Jennie Nicholson. of Richmond, and Mrs. Robert Dunn, of King and Queen county. The service was conducted by her pastor, Rev. J. L. Fribble, of the King William Methodist Circuit.

Henry M. Mosher.

[Special to The Times-Dispatch.]

LYNCHBURG, Va., November 19.—The remains of Dr. Henry M. Mosher, who died in Rockingham county and was a well-known practicing physician, were brought here this afternoon and interred at Spring Hill Cemetery.

Dr. Mosher was a widow, formerly Miss Bettie R. Percival, a resident of Lynchburg.

Joseph M. Catlett.

[Special to The Times-Dispatch.]

LYNCHBURG, Va., November 19.—Joseph M. Catlett died at his home in this city to-day, after a long illness of pneumonia. The burial will be at Hatton to-morrow.

Mrs. Virginia C. McCraw.

[Special to The Times-Dispatch.]

LYNCHBURG, Va., November 19.—Notice of the death in Winston-Salem, N. C., this morning at 5 o'clock of Mrs. Virginia C. McCraw, formerly of Lafayette, Va., and received in Lynchburg to-day.

Mrs. McCraw was the mother of O. L. McCraw, city ticket agent at the joint up-town railway agency here. She was seventy-four years of age and was a member of the Episcopal Church. Death was due to heart failure.

In addition to O. L. McCraw, Mrs. McCraw is survived by the following children: Mrs. C. C. Coles, of Baltimore, Md.; Mrs. A. W. Schum, of Winston-Salem, N. C.; and J. E. McCraw, of Winchester, Va.

DEATHS.

MINOR.—Died, at her home, 112 South Laurel Street, Friday, November 19, at 4:45 P. M. Mrs. LUCIAN C. MINOR, wife of Lucian C. Minor.

Funeral from Pine Street Baptist Church, SUNDAY AFTERNOON at 2 o'clock.

CLARY.—Died, November 19, 1909, at the residence of her son, J. W. Clary, 111 East Eighth Street, Manchester, Va. Mrs. ELIZABETH FRANCES CLARY, widow of Fielding L. Clary, of Chesterfield county. She leaves six children to mourn her loss, three sons—Messrs. Edward A. James W. and W. Bruce and three daughters—Mrs. R. A. Hatcher, Mrs. L. B. Loretta Clary—besides a number of friends and relatives.

Funeral 2:30 o'clock SUNDAY AFTERNOON from Stockton Street Baptist Church, Manchester, Va. Interment in Maury Cemetery.

DILLON.—Died, at 1:30 Friday morning, November 19, 1909, at his father's residence, on Charles City Road, Henrico county. ROBERT A. DILLON, in the twenty-fourth year of his age.

Funeral will take place from his late home SUNDAY AFTERNOON at 2 o'clock. Interment in Maury Cemetery.

TODD.—Died, on Friday, at 12 M., at his residence on Chestnut Hill, RICHMOND, Va. ROBERT BOYD TODD, in the fifty-fourth year of his age. He is survived by his wife and four children—Cecil Boyd, Mary Garland, Robert Todd, Jr., and Mrs. Sue M. Moseley.

Funeral services at the residence at 3 o'clock THIS (Saturday) AFTERNOON.

HOOD.—Died, in Birmingham, Ala., November 18, ALICE MORRIS, wife of W. M. Hood, daughter of the late James T. and P. Lee Morris, of Petersburg, Va., and niece of Mrs. J. Letoy Sutherland.

Funeral from Market Street M. E. Church, Petersburg, Va. MONDAY MORNING at 11 o'clock.

BRYAN.—In memory of JOSEPH BRYAN, who rested from his labors November 20, 1908.

Real Estate for Sale.

Real Estate for Sale.

\$7,600 will buy two nice
houses on Clay St.
near 7th. Rent \$760 a year.
POLLARD & BAGBY:

Auction Sales, Future Days.

By N. W. Bowe and Son, Real Estate Auctioneers.

TRUSTEE'S SALE

OF

THAT ATTRACTIVE FRAME

DWELLING,

No. 2202 Chaffin St.,

BY AUCTION.

In execution of a certain deed of

trust, dated August 13, 1909, and recorded in Richmond Chancery Court, in D. B. 204-A, page 77, I will, at the request of the beneficiary, there having been default in the payment of a part of the debt thereby secured, sell by public auction, on the premises, on

MONDAY, NOVEMBER 22, 1909,

at 3:45 P. M., that attractive dwelling above referred to, No. 2202 Chaffin Street, with the lot upon which it stands, fronting 25 feet 6 1/2 inches on the north line of Chaffin Street, between Sycamore and Strawberry Streets, and running back 120 feet to an 18-foot alley. This property will make a nice home or a good investment.

TERMS: Cash.

STUART BOWE, Trustee.

By N. W. Bowe & Son, Real Estate Auctioneers.

TRUSTEE'S SALE

OF

THAT ATTRACTIVE FRAME

DWELLING,

No. 2204 Chaffin St.,

BY AUCTION.

In execution of a certain deed of

trust, dated August 13, 1909, and recorded in Richmond Chancery Court, in D. B. 204-A, page 74, I will, at the request of the beneficiary, there having been default in the payment of a part of the debt thereby secured, sell by public auction, on the premises, on

MONDAY, NOVEMBER 22, 1909,

at 4 P. M., that attractive dwelling above referred to, No. 2204 Chaffin Street, with the lot upon which it stands, fronting 25 feet 7 inches on the north line of Chaffin Street, between Sycamore and Strawberry Streets, and running back 120 feet to an 18-foot alley. This property will make a nice home or a good investment.

TERMS: Cash.

STUART BOWE, Trustee.

By N. W. Bowe & Son, Real Estate Auctioneers.

TRUSTEE'S SALE

OF

THAT ATTRACTIVE FRAME

DWELLING,

No. 2206 Chaffin St.,

BY AUCTION.

In execution of a certain deed of

trust, dated August 13, 1909, and recorded in Richmond Chancery Court, in D. B. 204-A, page 71, I will, at the request of the beneficiary, there having been default in the payment of a part of the debt thereby secured, sell by public auction, on the premises, on

MONDAY, NOVEMBER 22, 1909,

at 4:15 P. M., that attractive dwelling above referred to, No. 2206 Chaffin Street, with the lot upon which it stands, fronting 25 feet 11 inches on the north line of Chaffin Street, between Sycamore and Strawberry Streets, and running back 120 feet to an 18-foot alley. This property will make a nice home or a good investment.

TERMS: Cash.

STUART BOWE, Trustee.

By N. W. Bowe & Son, Real Estate Auctioneers.

TRUSTEE'S SALE

OF

THAT ATTRACTIVE FRAME

DWELLING,

No. 2208 Chaffin St.,

BY AUCTION.

In execution of a certain deed of

trust, dated August 13, 1909, and recorded in Richmond Chancery Court, in D. B. 204-A, page 68, I will, at the request of the beneficiary, there having been default in the payment of a part of the debt thereby secured, sell by public auction, on the premises, on

MONDAY, NOVEMBER 22, 1909,

at 4:30 P. M., that attractive dwelling above referred to, No. 2208 Chaffin Street, with the lot upon which it stands, fronting 25 feet 11 inches on the north line of Chaffin Street, between Sycamore and Strawberry Streets, and running back 120 feet to an 18-foot alley. This property will make a nice home or a good investment.

TERMS: Cash.

STUART BOWE, Trustee.

By N. W. Bowe & Son, Real Estate Auctioneers.

TRUSTEE'S SALE

OF

THAT ATTRACTIVE FRAME

DWELLING,

No. 2210 Chaffin St.,

BY AUCTION.

In execution of a certain deed of

trust, dated August 13, 1909, and recorded in Richmond Chancery Court, in D. B. 204-A, page 65, I will, at the request of the beneficiary, there having been default in the payment of a part of the debt thereby secured, sell by public auction, on the premises, on

MONDAY, NOVEMBER 22, 1909,

at 4:45 P. M., that attractive dwelling above referred to, No. 2210 Chaffin Street, with the lot upon which it stands, fronting 25 feet 11 inches on the north line of Chaffin Street, between Sycamore and Strawberry Streets, and running back 120 feet to an 18-foot alley. This property will make a nice home or a good investment.

TERMS: Cash.

STUART BOWE, Trustee.

By N. W. Bowe & Son, Real Estate Auctioneers.

TRUSTEE'S SALE

OF

THAT ATTRACTIVE FRAME

DWELLING,

No. 2212 Chaffin St.,

BY AUCTION.

In execution of a certain deed of

trust, dated August 13, 1909, and recorded in Richmond Chancery Court, in D. B. 204-A, page 62, I will, at the request of the beneficiary, there having been default in the payment of a part of the debt thereby secured, sell by public auction, on the premises, on

MONDAY, NOVEMBER 22, 1909,

at 4:55 P. M., that attractive dwelling above referred to, No. 2212 Chaffin Street, with the lot upon which it stands, fronting 25 feet 11 inches on the north line of Chaffin Street, between Sycamore and Strawberry Streets, and running back 120 feet to an 18-foot alley. This property will make a nice home or a good investment.

TERMS: Cash.

STUART BOWE, Trustee.

By N. W. Bowe & Son, Real Estate Auctioneers.

TRUSTEE'S SALE

OF

THAT ATTRACTIVE FRAME

DWELLING,

No. 2214 Chaffin St.,

BY AUCTION.

In execution of a certain deed of

trust, dated August 13, 1909, and recorded in Richmond Chancery Court, in D. B. 204-A, page 59, I will, at the request of the beneficiary, there having been default in the payment of a part of the debt thereby secured, sell by public auction, on the premises, on

MONDAY, NOVEMBER 22, 1909,

at 5:05 P. M., that attractive dwelling above referred to, No. 2214 Chaffin Street, with the lot upon which it stands, fronting 25 feet 11 inches on the north line of Chaffin Street, between Sycamore and Strawberry Streets, and running back 120 feet to an 18-foot alley. This property will make a nice home or a good investment.

TERMS: Cash.

STUART BOWE, Trustee.

By N. W. Bowe & Son, Real Estate Auctioneers.

TRUSTEE'S SALE

OF

THAT ATTRACTIVE FRAME

DWELLING,

No. 2216 Chaffin St.,

BY AUCTION.

In execution of a certain deed of

trust, dated August 13, 1909, and recorded in Richmond Chancery Court, in D. B. 204-A, page 56, I will, at the request of the beneficiary, there having been default in the payment of a part of the debt thereby secured, sell by public auction, on the premises, on

MONDAY, NOVEMBER 22, 1909,

at 5:15 P. M., that attractive dwelling above referred to, No. 2216 Chaffin Street, with the lot upon which it stands, fronting 25 feet 11 inches on the north line of Chaffin Street, between Sycamore and Strawberry Streets, and running back 120 feet to an 18-foot alley. This property will make a nice home or a good investment.

TERMS: Cash.

STUART BOWE, Trustee.

By N. W. Bowe & Son, Real Estate Auctioneers.

TRUSTEE'S SALE